

Sistema de Informação de Ciência e Tecnologia (SICT) 2011 - INSTITUIÇÕES

Relatório Científico

- Entrada

- Ajuda

- Print

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[Centro de Filosofia das Ciências da Universidade de Lisboa]

General Information

Name of Research Unit:	(FIL-LVT-678) Centro de Filosofia das Ciências da Universidade de Lisboa
Coordinator:	Olga Maria Pombo Martins
Main Scientific Domain:	Filosofia
Other Subdomains:	n/a

Host Institutions

Leading Host Institution:	Fundação da Faculdade de Ciências - Faculdade de Ciências da Universidade de Lisboa
Other Institutions Involved:	Faculdade de Ciências - Universidade de Lisboa

Objectives & Achievements

Unit Description

The Centro de Filosofia das Ciências da Universidade de Lisboa (CFCUL) is a Research Unit organically constituted by Directive Boards – namely, its Scientific Coordinator, a Scientific Board, an Executive Board and a Permanent External Advisory Board – and Research Groups.

Professor Olga Pombo is currently CFCUL's Scientific Coordinator.

The Scientific Board (SB) is constituted by all PhD eligible researchers, it has 28 members. The SB meets several times per year in a regular basis and decides when to gather the whole team (73 integrated members - of whom 6 are Post-doc students, 16 Phd students and 7 Master students; 26 collaborators - of whom 12 are international collaborators) or whether to meet with one specific group. The SB meets in an annual basis with members of the Permanent External Advisory Board.

The Executive Board (EB), also known as Directive Board, is constituted by the eligible members responsible for the research groups and the research projects approved by the SB. The EB executes the decisions taken in the SB in order to guarantee:

- 1) all the management and budgetary issues regarding each activity's implementation;
- 2) the evaluation of all the achieved (or not) goals, always trying to analyze what worked out well or what did not go as initially expected.

The EB is currently constituted by Professor Olga Pombo, Professor Isabel Serra, PhDs Catarina Nabais, José Filipe Pombeiro and Nuno Proença.

The Permanent External Advisory Board (PEAB) is constituted by persons of widely recognized merit in the field of the Philosophy of Sciences, namely: Professor Andrade e Silva (Faculty of Sciences of the University of Lisbon), Professor Maria José Frapolli (University of Granada, Spain) Professor Franco Selleri (University of Bari, Italy) and Professor Daniel Andler (Sorbonne, Paris IV, France)

CFCUL has currently six Research Groups (RG): (reformulated according to the advise of the last evaluators report)

- Unity of Science;
- Philosophy of Nature Sciences;
- Philosophy of Life Sciences;
- Philosophy of Mathematics;
- Philosophy of Human Sciences, Ethics and Politics;
- Science and Art.

RG are responsible for the development of the CFCUL's research projects. Of these 4 are funded by the FCT, 1 funded by Câmara

Objectives & Achievements

Municipal do Montijo, and 11 are Internal Projects. CFCUL's has also 6 international research projects in progress.

CFCUL is funded mainly by the Fundação para a Ciência e Tecnologia, within the Programa de Financiamento Plurianual de Unidades de Investigação e Desenvolvimento. However, CFCUL was also funded in 2009 by Institutions such as: CRUP, Fundação Calouste Gulbenkian, Instituto Franco-Português, CNRS, University of Lille III. The Institution in charge of the funding management is the Fundação da Faculdade de Ciências da Universidade de Lisboa.

General Objectives

Created in July 2003, CFCUL is the only Research Unit in Portugal exclusively committed to Philosophy of Science. Supported in an idea of Unity of Science coming from the tradition of Leibniz or Neurath, CFCUL has a plural but coherent conception of Philosophy of Science.

Within that commitment, CFCUL's main objectives are:

- to encourage and promote the development of Philosophy of Science research in Portugal, more specifically, within the research lines: «Unity of Science», «Philosophy of Nature Sciences», «Philosophy of Life Sciences», «Philosophy of Mathematics», «Philosophy of Human Sciences, Ethics and Politics» and «Science and Art»;
- to develop national and international research projects;
- to stimulate and support both specialized and interdisciplinary research;
- to establish national and international partnerships;
- to organize colloquia, workshops and conferences;
- to promote a Philosophy of Science Permanent Seminar for seniors researchers and a Gymnasium for post-graduate students;
- to assure the supervision of graduate and post-graduate students on Philosophy of Science;
- to offer teaching at graduated and pos-graduated levels, both in Philosophy of Science and Bioethics;
- to integrate research and post-graduate studies through Master and Doctoral programs;
- to publish the most relevant studies carried out in the several activities organized by CFCUL's research groups.
- to edit an online peer reviewed Scientific Journal: Kairos. Journal of Philosophy and Science;
- to edit three series of books on Philosophy of Sciences («Philosophy of Science Notebooks», «Thesis», «Documenta»);
- to reach the wider national and international scientific community and specific publics we thought might be interested or benefit from our research in Lisbon as well as in the rest of the country and abroad (for instance, through CFCUL's webpage).

Main Achievements during the year of 2009

We consider as our main achievements in 2009:

ORGANIZATION OF 20 SCIENTIFIC MEETINGS

- 5 International Colloquia, 2 National Colloquia
- 12 International Workshops, 1 National Workshop

We highlight

- International Colloquium Evolution Today and Tomorrow. Darwin Evaluated by Contemporary Philosophical and Evolutionary Biological Theories, FCUL, 23- 24 April
- International Colloquium The Unity of Science in the Arabic Tradition. Science, Logic, Epistemology, and their Interactions, FCUL, 29-30 October
- International Workshop Pensamento Diagramático, FCUL 23-24 March
- IV Jornadas Ibéricas: Filosofia das Ciências, Lógica e Linguagem. University of Seville, 26-27 February

ORGANIZATION OF 14 CONFERENCES GIVEN BY INVITED SPEAKERS

We highlight

- Fusion/Fission and the Identity of Organisms, by John Symons (Univ. of Texas, El Paso), 12 January
- Poincaré's Philosophy of Mathematics: an Overview and Some Consequences, by Janet Folina (Macalester College), 8 July

Objectives & Achievements

- The Veil, the Fold, the Image: On Gustave Flaubert's Salamambo, by Rodolphe Gasché (Sunny, Buffalo)

ORGANIZATION OF 17 COURSES

- 13 academic courses, 4 free courses

We highlight:

- How to build and submit articles for international leader journals, by Juan M. Torres, 3 & 10 November

137 TALKS GIVEN

- 78 talks in International Scientific Meetings, and 59 in National Scientific Meetings

We highlight

- Image in Science and Art, by Olga Pombo, Workshop Imag(in)ing the Nanoscale, Maison des Sciences de l'Homme, Paris, 5-6 October

- Poincaré and the problem of relativity in Physical Space, by María de Paz, Congrès triennal de la Société de Philosophie Analytique, Univ. de Genève, 2-5 September

- Piazzzi Smyth's mapping of the solar spectrum in Lisbon, Sintra and Madeira: analysis of results and instruments, by Maria Estela Jardim et al., XXIII International Congress of History of Science and Technology, Budapest

PUBLICATION/EDITION OF 13 BOOKS

We highlight

- A. J. Franco de Oliveira, História das Matemáticas na Antiguidade

- Nuno Nabais et al, Lei, Segurança e Disciplina

- Olga Pombo et al., Lógica e Filosofia da Ciência

- António B. Vieira, A Evolução do Darwinismo

- Helena Abreu et al., Evolução. Conceitos e Debates

PUBLICATION OF 27 BOOK CHAPTERS

We highlight

- María P. Américo, Poincaré vs. Einstein: Geometría y experiencia, in Actas del VI Congreso de la Sociedad de Lógica, Metodología y Filosofía de la Ciencia en España, Univ. València, 501-505

- Estela Jardim et al., The role of artificial lights in the Scientific Photography of the XIX century, in Actas 3rd International Conference of the European Society for the History of Science, Austrian Academy of Science, 956-961

- Elisa Maia and Isabel Serra, A Imagem Pública da Química - Passado e Presente, in Livro de Anais. Scientiarum Historia II. Encontro Luso-Brasileiro de História da Ciência, Univ. Federal Rio de Janeiro, 847-851

- Olga Pombo, Característica Universalis e Transcendental Impuro, in F. Molder (ed.), Paisagens dos Confins, Lisboa: Vendaval, 91-100

PUBLICATION OF 20 ARTICLES

We highlight

- José Croca et al., A Causal and Local Interpretation of Experimental Realization of Wheeler's Delayed-choice Gedanken Experiment, Apeiron, Vol 16, Nr 2, 179-190

- José Croca et al., Some Experiments That Question the Completeness of Orthodox Quantum Mechanics, Adv. Sci. Lett. Volume 2, 4, December, 481-487

- Telles-Correia D., Barbosa A., Ansiedade e depressão em medicina: modelos teóricos e avaliação. Acta Med Port, 22: 89-98.

- J. C. Tiago de Oliveira, Modulated Chaos as a Source of Images for Numbers, Int. Journal of Academic Research, vol. 1 n. 1, Baku.

Activities

Integrative/multidisciplinary activities during the year of 2009

Activities

Given the nature of CFCUL's research field, a great number of its activities are inherently integrative and multidisciplinary. Firstly, because Philosophy of Science is in itself an interdisciplinary area; secondly, because our team has members coming from a significant variety of institutions and disciplines (Philosophy, Physics, Biology, Medicine, Mathematics, Sociology, Logics). So,

1) Some of our projects are strongly interdisciplinary. See the following examples:

- the FCT Research Project Poincaré, Philosopher of Science includes researchers from Physics, Mathematics, Philosophy, Logics, History of Science and Mathematical Learning;
- the FCT Research Project Image in Science and Art includes researchers from many fields: Philosophy, Epistemology, History, Sociology, Art, Semiotics, Medicine;

2) The same can be said about the organization of scientific meetings. We highlight as clearly integrative and multidisciplinary:

- International Colloquium Evolution Today and Tomorrow. Darwin Evaluated by Contemporary Philosophical and Evolutionary Biological Theories, FCUL, 23-24 April
- International Colloquium The Unity of Science in the Arabic Tradition. Science, Logic, Epistemology, and their Interactions, FCUL, 29-30 October
- IV Jornadas Ibéricas: Filosofia das Ciências, Lógica e Linguagem. International Colloquium organized in partnership with the Research Group «Logic, Language and Information» of the University of Seville, and held at the University of Seville, 26-27 February
- 12th Philosophy and Psychiatry Conference Lisbon. International Network For Philosophy and Psychiatry. Understanding Mental Disorders, held at the Rectorship of the University of Lisbon, 22-24 October

3) Besides the internal interdisciplinary nature of the CFCUL, we pursued the objective of inviting speakers from different research areas to the conference cycles we organize: "Permanent Seminar on Philosophy of Sciences", "Gymnasium". In the reported year, we invited speakers such as: Rodolph Gasché, Janet Folina, John Symons, Soraya Nour.

4) We should also mention that our teaching is done both in the Faculty of Sciences, in the Faculty of Medicine and in the Faculty of Fine Arts of the University of Lisbon, and that our post-graduate students are coming from a huge variety of research areas.

An important example of the inherently integrative and multidisciplinary activities of CFCUL research activities, in 2009, was the effort in the organization of several activities at the FCUL, and outside of it, in what regards the celebration of the Darwin International Year (2009). Indeed, CFCUL did not want to loose sight of these celebrations hence putting forward a rather significant program of activities that were not only integrative/multidisciplinary but also inherently investigative as well, some of them, with a most satisfactory outreach character. We're talking about an International Colloquium (Evolution Today and Tomorrow. Darwin Evaluated by Contemporary Philosophical and Evolutionary Biological Theories), an International Workshop (Darwin e a Ilustração Científica), an International Seminar, and several conferences by experts on the field.

Outreach activities during the year of 2009

We consider CFCUL's most important outreach activities:

a) The maintenance of a public WEB-PAGE, through which we demonstrate and disseminate our activities to thousands of people all over the world;

b) The publication of 13 books, of which we highlight the following as having a potential wider public:

- A. J. Franco de Oliveira, História das Matemáticas na Antiguidade
- António B. Vieira, A Evolução do Darwinismo
- Helena Abreu et al., Evolução. Conceitos e Debates

c) The organization of several scientific meetings, of which we highlight the following as having reached a wider audience:

- 12th Philosophy and Psychiatry Conference Lisbon. International Network For Philosophy and Psychiatry. Understanding Mental Disorders, held at the University of Lisbon, 22-24 October 2009;
- International Colloquium Evolution Today and Tomorrow. Darwin Evaluated by Contemporary Philosophical and Evolutionary Biological Theories, held at FCUL, Building C6, Room 53 23-24 April 2009;
- International Colloquium Illustration in Darwin. The tree as the image of life's evolution. Colloquium co-organized with the Program Ciência Viva and held at Pavilhão do Conhecimento, Parque das Nações, 22 April 2009;
- International Colloquium The Unity of Science in the Arabic Tradition. Science, Logic, Epistemology, and their Interactions, held at FCUL, Anfiteatro da Fundação da FCUL, 29-30 October 2009;

d) The organization of 7 Book presentations, of which we highlight:

- Ciência, Psicanálise e Poética em torno de Gaston Bachelard (Lisboa: CFCUL), edited by Ana Gaspar; book presented by Olga Pombo and the authors at Fábrica Braço de Prata, 31 May 2009;

Activities

- Evolucionismo: Conceitos e Debates (Lisboa, Esfera do caos), edited by André Levy et al. Book presented by Fernando Catarino during the International Colloquium Evolution Today and Tomorrow, FCUL, 23 April 2009;

- A Evolução do Darwinismo (Lisboa, Fim de Século), by António Bracinha Vieira. Book presented by Cláudia Sousa during the International Colloquium Evolution Today and Tomorrow, FCUL, 24 April 2009;

- A potência de existir, by Michel Onfray. Book presented by Nuno Nabais and Michel Onfray at the Instituto Franco-Português, 19 March 2009;

- Sobre a Lógica e a Teoria da Ciência de Jean Cavaillès (Lisboa: CFCUL), by Nuno Proença and Vasco Correia. Book presented by the authors at Fábrica Braço de Prata, 4 March 2009;

- Medicina e Outras Coisas, by António Barros Veloso. Book presented by Olga Pombo and Álvaro de Carvalho at Fábrica Braço de Prata, 25 February 2009.

e) The organization of 2 Book debates of which we highlight the following:

- Springerbook Session on Stjernfelt's book «Diagrammatology. An Investigation on the borderline of Phenomenology, Ontology and Semiotics», by Ahti-Veikko Pietarinnen, and on Pietarinnen's book «Signs of Logic», by Frederik Stjernfelt. Anfiteatro da Fundação da FCUL, 23 March 2009.

f) The co-organization with the Franco-Portuguese Institute of Lisbon of a series of informal meetings aimed to a non-specialist public called the Café-Philo, according to a French tradition of philosophical meetings in public cafes, in which were discussed themes as: The Absurd, Love, Beauty, Will, Justice, Democracy, Forgiveness, Education, Solitude.

g) We should also mention that Prof. Nuno Nabais, together with the journalist Ana Sousa Dias, has a weekly radio program called «Pensar em voz alta», broadcasted at Rádio Clube Português.

Funding

	2008	2009	2010
LA FCT	0,00	0,00	0,00
Units FCT	27.989,00	99.515,63	110.859,38
Projects FCT	86.776,00	77.372,00	67.811,50
Other (National)	20.700,00	21.568,00	8.600,00
Other (International)	0,00	1.500,00	0,00
National Industry	0,00	0,00	0,00
International Industry	0,00	0,00	0,00
	135.465,00	199.955,63	187.270,88

General Indicators

	2006	2007	2008	2009	2010	Total
No. of Researchers Proposed	0,00	0,00	0,00	0,00	0,00	0,00
No. of Researchers Hired (LA)	0,00	0,00	0,00	0,00	0,00	0,00
Balance	0,00	0,00	0,00	0,00	0,00	0,00
No. of Researchers Hired (Ciência Programme)	0,00	0,00	0,00	0,00	0,00	0,00
No. of Researchers integrated with PhD	20,00	21,00	29,00	26,00	35,00	
Training Masters (Master thesis completed)	4,00	5,00	6,00	7,00	0,00	22,00
Training PhDs (PhD thesis completed)	1,00	2,00	3,00	2,00	2,00	10,00

Researchers Hired

Name	Start Date	End Date	Other Institution
No researchers found...			

Technical Personnel Hired

Name	Start Date	End Date	Other Institution
No technical personnel found...			

Additional Comments

Research Groups

Reference	Title / Principal Investigator
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Research Groups

RG-LVT-678-799	Unity of Science (Olga Maria Pombo Martins)
RG-LVT-678-800	Philosophy of Nature Sciences (José Nunes Ramalho Croca)
RG-LVT-678-1049	Philosophy of Life Sciences (António José Feliciano Barbosa)
RG-LVT-678-1053	Science and Art (Catarina Pombo Martins de Castro Nabais)
RG-LVT-678-3746	Philosophy of Human Sciences, Ethics and Politics (Nuno Gabriel de Castro Nabais dos Santos)
RG-LVT-678-3747	Philosophy of Mathematics (Augusto Jose Franco de Oliveira)
RG-T-LVT-678-1050	Philosophy of Human Sciences (Nuno Miguel Bicho Campos Proença)
RG-T-LVT-678-1051	Science, Ethics and Politics (Nuno Gabriel de Castro Nabais dos Santos)
RG-T-LVT-678-1052	Discovery, Invention and Creation (Isabel Maria Ferreira Martins Serra)